

Notice of Allowability

Application No.

09/660,095

Applicant(s)

KOGIANTIS ET AL.

Examiner

Kamran Afshar, 703-305-7373

Art Unit

2681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/28/2004.
2. ☒ The allowed claim(s) is/are 1,2 and 4-30.
3. ☒ The drawings filed on 4/23/2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-2 and 4-30 are allowed.

The following is an examiner's statement of reasons for allowance: 1-2 and 4-30.

With respect to claim 1, the prior art of record fails to disclose or render obvious that the steps of: receiving, from a mobile station, a plurality of mobile station capabilities and selecting one of a plurality of transmit configurations using at least one of the plurality of mobile station capabilities received, the plurality of transmit configurations including at least two of a single transmit antenna configuration, a space time spreading configuration, a selective transmit diversity configuration, and a multi-input configuration.

With respect to claim 15, the prior art of record fails to disclose or render obvious that the steps of: receiving, from a mobile station, mobility information of the mobile station and a plurality of transmit configurations; selecting at least one of the plurality of transmit configurations received using the mobility information received, the plurality of transmit configurations including at least two of a single transmit antenna configuration, a space time spreading configuration, a selective transmit diversity configuration, and a multi-input configuration.

With respect to claim 16, the prior art of record fails to disclose or render obvious that the steps of: receiving, by the mobile station, a selected transmit configuration of a plurality of transmit configurations that is based on at least one of the mobile station capabilities sent, the plurality of transmit configurations including at least two of a single transmit antenna configuration, a space time spreading configuration, a selective transmit diversity configuration, and a multi-input configuration.

With respect to claim 18, the prior art of record fails to disclose or render obvious that the steps of: sending, from a mobile station, mobility information of the mobile station; and receiving, by the mobile station, a selected transmit configuration of a plurality of transmit configurations the plurality of transmit configurations including at least two of a single transmit antenna configuration, a space time spreading configuration a selective transmit diversity configuration and a multi-input configuration.

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With respect to claim 26, the prior art of record fails to disclose or render obvious that the steps of: receiving, from a mobile station, channel quality information and a plurality of transmit configurations supported by the mobile station; selecting one of the plurality of transmit configurations received using the channel quality information received, the plurality of transmit configurations including at least two of a single transmit antenna configuration, a space time spreading configuration a selective transmit diversity configuration, and a multi-input configuration.

With respect to claim 28, the prior art of record fails to disclose or render obvious that the steps of: sending, from a mobile station, a plurality of transmit configurations supported by the mobile station; and receiving, by the mobile station, a selected transmit configuration that is based on at least one of the plurality of transmit configurations sent, the plurality of transmit configurations including at least two of a single transmit antenna configuration a space time spreading configuration a selective transmit diversity configuration and a multi-input configuration.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kamran Afshar whose telephone number is (703) 305-7373. The examiner can be reached on Monday-Friday.

If attempts to reach the examiner by the telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached @ (703) 308-4825. The fax number for the organization where this application or proceeding is assigned is (703) 872-9306 for all communications.


Kamran Afshar


DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2